



Sustainable Packaging Solutions

Compostable | Biodegradable | Recyclable

Camvac is one of the leading global suppliers of metallised film and clear barrier films and laminates for a wide range of Food Packaging, Liquid Packaging (Bag-in-Box Solutions), Medical Applications, Construction and Insulation products. Being at the forefront of technological developments, Camvac works closely with our customers to develop new products within the film, laminates and packaging sectors.

Located in Thetford, England, Camvac operates four metallising lines and two of the largest laminating lines in the world. Our metallising lines are capable of both aluminium and aluminium oxide vacuum deposition. Camvac's laminating lines are proficient in solvent, solvent free and thermal laminate production. A wealth of film metallising expertise in high metal adhesion, high barrier, decorative, low optical density and clear barrier means that Camvac is well placed to continue as a leading solution provider in each of its chosen markets.

Camvac's metallised films and laminates can be found in a wide range of consumer end products and packaging, from lidding on ready-meals to films within construction insulation. Camvac's Cambrands are recognised globally and showcase Camvac's reputation for product quality and innovation.

Camvac's product range is constantly developing and evolving to meet the ever-changing needs of the consumer. Camvac has invested heavily into technological advances enabling sustainable packaging solutions to be available across most of our product portfolio. The outcome of these investments is the Camvert Range. Camvert has been precisely designed to provide the packaging industry with sustainable packaging solutions. These advances have been developed to reduce the packaging material to a level where it does not affect shelf life of the product but is also environmentally friendly and sustainable.

Many of our sustainable packaging products are versatile and are applicable to more than one end use. The Camvert range includes certified home compostable films, 90% PCR base films and recyclable options.

Key Benefits of our Camvert Range

- Home Compostable Options
- Biodegradable Packaging
- Widely Recyclable
- 90% PCR Base Films Available
- Clear Film Options
- Metallised Film Solutions
- High Barrier Performance

Our Standards

FDA / IMS Compliance
ISO 9001:2015
British Safety Council Member
BRCGS Packaging Materials Certified





Cambrite® Camvert Decorative Metallised Film

Fully biodegradable and compostable decorative metallised acetate film.

Cambrite® Camvert is a premium solution for brands who are looking for a fully biodegradable and home compostable decorative metallised film.

Cambrite® was originally developed to give maximum brilliance and visual impact for the board lamination market.

Changes in consumer habits and the growing demand for sustainable packaging solutions have led Camvac to develop a range of biodegradable and compostable barrier films under our Camvert Range named Cambrite® Camvert.

Applications

Used for a range of laminate applications including luxury brand decorative cartons, board lamination, point of sale display items and packaging labels.

Benefits of Cambrite® Camvert

- Home compostable
- Home biodegradable
- Available in a range of base colours with a mirror-like brilliance
- Print and graphics receptivity
- Unique patented technology

Technical Specification

- Certified home compostable to EN13432
- Certified home biodegradable to ASTM D6400
- Optical density; 1.8 – 2.2*
- Haze percentage; 0.7
- Base film made up of over 80% of cellulose diacetate. Derived from natural cellulose sources, cotton linters and wood pulp

*Or as specified by end user



Typical Structure



Board 80 - 250g

Acetate 14 - 95µm



Extrapet

Transparent Barrier Polyester Laminates

For a wide range of processed meats, fresh meats, poultry, pastas, vegetable and bakery, where presentation and fresh appearance is critical, Extrapet provides a variety of environmentally friendly solutions in peel and non-peel, anti-fog and high barrier options.

As a direct result of Extrapet being an all PET (mono material) structure, the potential of total recyclability, where post-consumer collection infrastructure exist, is possible. Extrapet can also include the benefit of recycled content within the manufacture. During the manufacturing process, Extrapet uses Camvac's AIOx coated transparent barrier film Camclear.

Applications

Fresh food packaging for; processed meats, fresh meat, poultry, vegetable packaging and bakery packaging.

Benefits of Extrapet

- Chlorine free barrier coating – environmentally friendly
- Excellent seal integrity
- Peel / non-peel options
- Anti-fog / non-anti-fog options
- Excellent light transmission / low haze values – excellent clarity and product visibility
- High barrier laminates offer extended shelf life
- Extrapet laminate is an all PET mono material, thus allowing the potential for recyclability
- Extrapet can also include recycled content
- Microwaveable / ovenable (Camclear® Extrapet)
- Surface printable
- Thinner laminate structures – material cost savings

Typical Structure





Camfresh® Transparent Barrier Laminate

Environmentally friendly transparent barrier laminates for the fresh food packaging industry.

The growing market for packaged fresh food, driven by the consumer demands of preference and choice, has resulted in the development of Camfresh® in high and standard barrier versions. Recent changes in consumer demand for more environmentally friendly packaging has led Camvac to take the core Camfresh® developments and apply them to a sustainable solution.

For a wide range of processed meats, fresh meats, poultry, pastas, vegetable and bakery, where presentation and fresh appearance is critical, Camfresh® provides a variety of solutions in peel and non-peel, anti-fog and non-anti-fog, and tailored barrier options which are available in recyclable options.

Camfresh® laminates use Camvac's AlOx coated transparent barrier film - Camclear®.

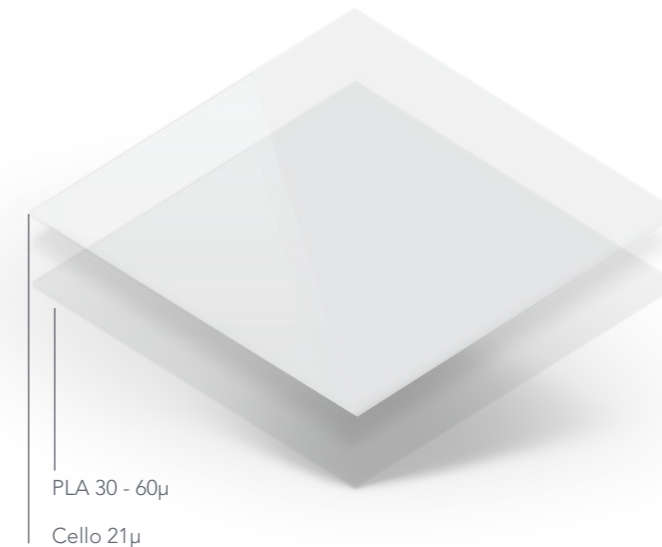
Applications

Fresh food packaging for; processed meats, fresh meat, pasta, poultry, vegetables, bakery and dairy products.

Benefits of Camfresh®

- Chlorine free barrier coating
– environmentally friendly
- Excellent seal integrity
- Peel / non-peel options
- Anti-fog / non-anti-fog options
- Excellent light transmission / low haze values
– excellent clarity and product visibility
- High barrier laminates offer extended shelf life
- Surface printable

Typical Structure





Camshield T[®] Aluminium Oxide Film

Sustainable aluminium oxide films with a proprietary in-chamber top coating for both barrier protection and product enhancement.

Camshield T[®] uses Camvac's proprietary in-chamber vacuum metallising process to apply a protective topcoat over the aluminium oxide layer, thus providing both very high barrier protection and enhancement. This process can be applied to a wide range of base films and the end use applications are numerous.

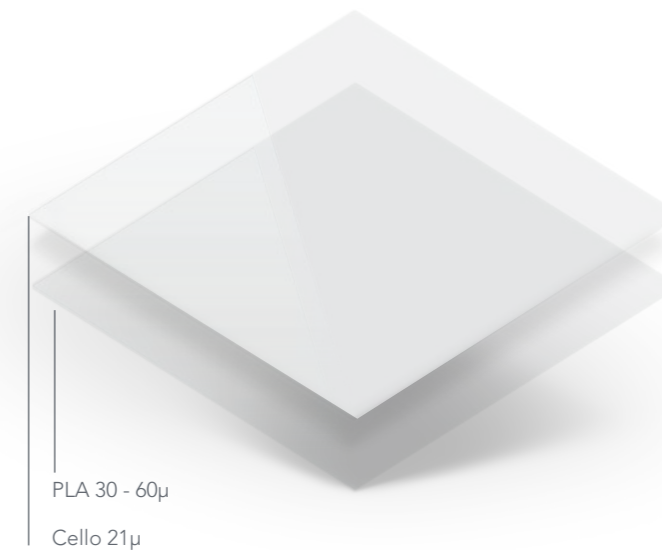
Applications

Fresh food packaging, confectionery, snacks, retortable applications, bag-in-box and dried fruits.

Benefits of Camshield T[®]

- Chlorine free barrier coating – environmentally friendly
- Extra high barrier
- Excellent light transmission / low haze values – excellent clarity and product visibility
- Higher yield versus other structures as the barrier is independent of film thickness
- Highly versatile

Typical Structure



PLA 30 - 60µ

Cello 21µ



Camclear® Transparent Barrier Film

Another Camvac 'first' and now an industry standard in its own right, Camclear® meets a number of performance criteria regarding barrier transmission and clarity which make it unbeatable for a variety of applications. Now developed as an environmentally friendly option for brands requiring a sustainable barrier film solution. Camclear® Camvert is a great alternative to the traditional plastics used within the food lidding films that often end up in landfill sites.

Camclear® is a chlorine-free transparent barrier film and is highly versatile, having excellent oxygen and moisture barrier performance. Camclear® is available in a variety of substrates.

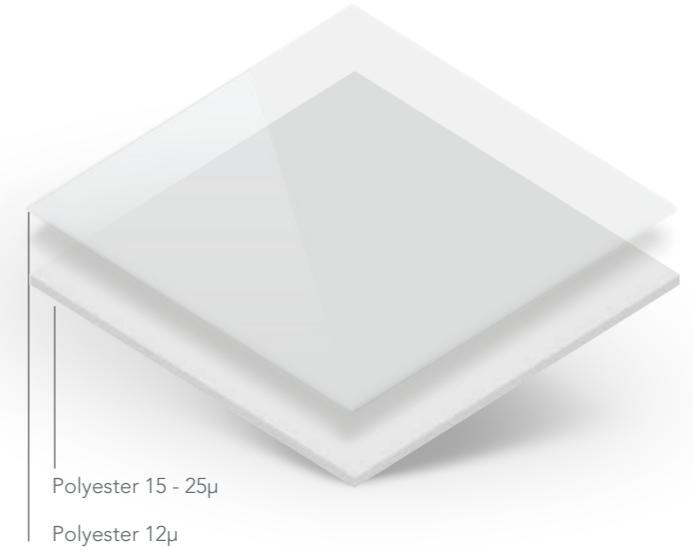
Applications

Fresh food packaging, confectionery, snacks, retortable applications, bag-in-box and dried foods.

Benefits of Camclear®

- Chlorine free barrier coating
– environmentally friendly
- Excellent light transmission
/ low haze values – excellent clarity
and product visibility
- Higher yields versus other structures
as the barrier is independent of
film thickness
- Excellent moisture / oxygen barrier
- Microwavable / Ovenable
- Highly versatile
- Printable
- Retortable

Typical Structure





Camplus® High Barrier, High Metal Adhesion

Plasma treated films for high barrier and high metal adhesion.

Camvac were first to develop a surface treatment which enhanced adhesion and thus interply bond strength. This knowledge and experience has been transferred into our Camplus® Camvert film range.

The Camplus® plasma treatment is still a unique Camvac development, adapted to accommodate the varying base films within our compostable and biodegradable ranges.

We design and manufacture our own plasma treaters and also license the technology to other converters and film producers. The Camplus® process has been developed to offer excellent barrier and interply bond strength within a sustainable film solution.

Applications

A wide range of eco-friendly base film materials can be 'Camplussed' depending on end user application.

Benefits of Camplus®

- Improved metal adhesion offers interply bond strength and enhanced barrier
- Optimal product protection of more demanding products such as liquids
- Improved barrier retention in downstream processing
- Print receptive
- Wide choice of base films can be 'Camplussed'. CPP, OPP, PE, PET

Typical Structure



Polyester 12 - 75μ



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